

## INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/EP 03/50073A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B81B7/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01C B81B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 152 216 A (MURATA MANUFACTURING CO) 7 November 2001 (2001-11-07) the whole document	-17, 1-24
A	AYAZI F ET AL: "A HARPSS POLYSILICON VIBRATING RING GYROSCOPE" JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, IEEE INC. NEW YORK, US, vol. 10, no. 2, June 2001 (2001-06), pages 169-179, XP001123587 ISSN: 1057-7157 the whole document	-17, 1-24
X	US 5 587 529 A (IGUCHI YUTAKA ET AL) 24 December 1996 (1996-12-24) column 11, line 4 - line 28; figure 8 ----- -/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex

## \* Special categories of cited documents :

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Date of the actual completion of the international search

10 December 2003

Date of mailing of the international search report

19.03.2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 561 400 A (IGUCHI YUTAKA ET AL) 1 October 1996 (1996-10-01) column 6, lines 17-29; figures 2,,3B -----	
X	SANGKYUNG SUNG ET AL: "Development of a tunable resonant accelerometer with self-sustained oscillation loop" PROCEEDINGS OF THE IEEE 2000 NATIONAL AEROSPACE AND ELECTRONICS CONFERENCE. NAECON 2000. ENGINEERING TOMORROW (CAT. NO.00CH37093), DAYTON , 2000, PISCATAWAY, NJ, USA, IEEE, USA, PAGE(S) 354 - 361 , XP001156567 ISBN: 0-7803-6262-4 figures 2-4 -----	
X	BURRER C ET AL: "High-precision BESOI-based resonant accelerometer" SENSORS AND ACTUATORS A, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 50, no. 1-2, August 1995 (1995-08), pages 7-12, XP004303507 ISSN: 0924-4247 page 9, right-hand column; figure 4 -----	
X	US 5 731 519 A (OGAWA KENJI) 24 March 1998 (1998-03-24) figures 1-27 -----	
X	US 5 672 949 A (WARD PAUL) 30 September 1997 (1997-09-30) figures 1-16 -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/EP 03/50073

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1152216 A	07-11-2001	JP 2001317946 A EP 1152216 A2 US 2001037682 A1	16-11-2001 07-11-2001 08-11-2001
US 5587529 A	24-12-1996	JP 3453724 B2 JP 8061961 A DE 19520426 A1 GB 2290144 A ,B	06-10-2003 08-03-1996 07-12-1995 13-12-1995
US 5561400 A	01-10-1996	JP 3479853 B2 JP 8105747 A DE 19537006 A1 GB 2293880 A ,B	15-12-2003 23-04-1996 11-04-1996 10-04-1996
US 5731519 A	24-03-1998	JP 3175489 B2 JP 8061958 A US 5932802 A DE 4446971 A1 GB 2292611 A ,B US 5600063 A	11-06-2001 08-03-1996 03-08-1999 29-02-1996 28-02-1996 04-02-1997
US 5672949 A	30-09-1997	US 5481914 A US 5703292 A US 5600064 A US 5604309 A US 5608351 A	09-01-1996 30-12-1997 04-02-1997 18-02-1997 04-03-1997